

Docket No.: 2198/0H294US0

COMPLETE LISTING OF CLAIMS
IN ASCENDING ORDER WITH STATUS INDICATOR

1. (Currently Amended) A composite structure with at least one polyurethane layer, a support layer, and an optional adhesive layer placed between these layers, wherein at least one polyurethane layer contains a polyurethane having the formula (I)



wherein O-R¹-O is the radical of a polyole with primary and/or secondary hydroxyl functional end groups in which the primary and secondary hydroxyl functional groups of the polyole have a ratio of between approximately 2:1 and 1:6,

R¹ and R² independently represent an organic radical which includes aliphatic, cyclo-aliphatic, aromatic and/or heterocyclic groups and

n is an integer number between 1 and 50,000.

2. (Original) The composite structure according to claim 1, wherein the at least one polyurethane layers comprises two polyurethane layers and wherein the outer and/or the inner polyurethane layer include a polyurethane of the formula (I).

3. (Original) The composite structure according to claim 2, wherein the polyole has a molecular weight from approximately 2000 to approximately 12,000.

4. (Original) The composite structure according to claim 1, wherein the polyole is a polyether glycol and/or a polyester glycol.

5. (Original) The composite structure according to claim 4, wherein the polyether glycol is a poly-(oxypropylene) glycol and the polyester glycol comprises glycols of dimeric fatty acids.

6. (Currently Amended) The A composite structure according to claim 5, with at least one polyurethane layer, a support layer, and an optional adhesive layer placed between these layers, wherein at least one polyurethane layer contains a polyurethane having the formula (I)



wherein O—R¹—O is the radical of a polyole with primary and/or secondary hydroxyl functional end groups wherein the polyole is a polyether glycol and/or a polyester glycol, the primary and secondary hydroxyl functional groups of the polyole have a ratio of between approximately 2:1 and 1:6, and wherein the polyether glycol is a poly-(oxypropylene) glycol and the polyester glycol comprises glycols of dimeric fatty acids.

7. (Original) The composite structure according to claim 6, wherein the polyole is bi-functional and/or tri-functional.

8. (Original) The composite structure according to claim 7, wherein the ratio of the bi-functional polyoles to the tri-functional polyoles is between approximately 1:2 and approximately 5:1.

9. (Original) The composite structure according to claim 8, wherein in that the radical R^2 is based on isphoron diisocyanate and/or hexamethylene diisocyanate.

10. (Original) The composite structure according to claim 8, wherein the radical R^2 is based on diphenylmethane diisocyanate (MDI) and/or toluylene diisocyanate.

11. (Original) The composite structure according to claim 10, wherein that the polyurethane layer(s) which contain(s) the polyurethane according to formula (I), have/has a solid content of at least approximately 95%.

12. (Original) The composite structure according to claim 11, wherein the polyurethane layer(s) which contain(s) the polyurethane according to formula (I), have/has a thickness of approximately 0.2 mm to 0.5 mm.

